

Appendix F - Fisheries Effects Determinations

**Table F 1 - Evaluation Criteria and Effects Determination for Tioga
Density Management Units**

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Unit No.	Approx. Distance above Coho critical habitat (mi.)	New Road Const. In Riparian Reserve	Road Improvement/ Renovation in Riparian Reserve	Haul Route: Dirt or Gravel in RR with Coho Bearing X-ing	Road Decom in Riparian Reserve/ Culvert pull on or over Fish Bearing	Landing in Riparian Reserve	Yarding Corridors over channel/ distance above Coho habitat (approx. stream mi.)	Cut trees for Channel Maint.	Reasonable Expectation of Site Level Impact to Matrix Indicator and/or Listed Fish/Habitat (ID indicator impacted or if positive benefits to coho habitat)	Effects Determination
1	1.0	No	Yes- int. channel near ridgetop and mid-slope - pipe 0.70 mi above coho in Mink Creek	No	Yes/No - 2 pipes in RR?; pull for decom?	No	Yes - int. channel/ (1.0 mi).	No	No	No Effect
2	0.70	No	Yes -int. channel at ridgetop - stream headwall?	No	Yes/No	Yes - H ridgetop	No	No	No	No Effect
3a	0.60 and 0.44	No	No	No	No	Yes - ridgetop	Yes/0.64	Yes	No	No Effect
3b	0.91 and 0.75	No	No	No	No	No	No	No	No	No Effect
4	100 feet	No	No	No	No	Yes Helicopter - at existing quarry.	No	No	No	No Effect
5a	0.25	No	No	No	Yes/No	Yes - ridgetop	Yes/ (0.50 mi)	Yes	Yes A small amount of bedload sediment may be mobilized the first winter from cut trees in channel but sediment is not deliverable to coho habitat.	No Effect
5b	0.47	No	Yes ridgetop and upper mid-slope - one reno channel x-ing	No	No	Yes - ridgetop	Yes - int. channel/ (0.47mi and 0.50 mi)	No	Yes A small amount of bedload sediment may be mobilized the first winter from cut trees in yarding corridors but sediment is not deliverable to coho habitat.	No Effect

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5c	0.50	No	Yes - int channel at headwall - RR crossing at headwall on private.	No	No	No	Yes - int. channel/ (0.50 mi)	No	No	No Effect
6a	1.04	No	Yes Near ridgetop RR - 4 upper headwall x-ings to be rocked	No	Yes/No	No	Yes int. channel/ (1.04 mi)	Yes	Yes A small amount of bedload sediment may be mobilized the first winter from cut trees in yarding corridors and channel maint., but sediment is not deliverable to coho habitat	No Effect
6b	1.80	No	No	No	No	No	Yes- int. channel/ (1.80mi)	Yes	No	No Effect
6c	1.80	No	Yes - near headwall x-ing for improvement	No	No	No	Yes int. channel/ (1.80 mi)	Yes	Yes A small amount of bedload sediment may be mobilized the first winter from cut trees in yarding corridors and channel maint., but sediment is not deliverable to coho habitat	No Effect
6d	1.50	No	No	No	No	No	Yes - int. channel/ (1.50 mi)	No	Yes A small amount of bedload sediment may be mobilized the first winter from cut trees in yarding corridors but sediment is not deliverable to coho habitat	No Effect
8	300 feet	No	Yes	Yes 1 gravel crossing @ Shotgun Cr.	No	Yes Helicopter - at existing quarry.	Yes int channel/approx. 300 feet	Yes	Yes A small amount of bedload sediment may be mobilized the first winter from cut trees in yarding corridors and channel maint., but sediment is not deliverable to coho habitat	No Effect

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10	40 feet	No	No	No	No	Yes Ridgetop	Yes int. channel/approx 800 ft	Yes	Yes A small amount of bedload sediment may be mobilized the first winter from cut trees in yarding corridors and channel maint, but sediment is not deliverable to coho habitat	No Effect
11	0.47	No	No	No	No	No	Yes - int channel/(0.92)	No	No	No Effect
12a	100 Feet	No	No	No	No	Yes Helicopter	No	Yes	No	No Effect
12b	100 Feet	No	No	No	No	Yes Helicopter	No	Yes	No	No Effect
13a	0.30	No	No	No	No	No	No	No	No	No Effect
13b	20 feet	No	No	No	No	Yes	No	No	No	No Effect
14a	100 Feet	No	No	No	No	Yes Helicopter	No	No	No	No Effect
14b	50 feet	No	No	No	No	Yes Helicopter	No	No	No	No Effect
14c	50 feet	No	No	No	No	Yes Helicopter	Yes/ (within 0.50)	No	No	No Effect
15a	1.20	No	Yes	No	No	No	Yes int. channel/(1.50)	No	No	No Effect
15b	1.00	No	No	No	No	No	No	No	No	No Effect
15d	1.30	No	No	No	No	No	Yes intermittent channels/ (1.50)	Yes	Yes A small amount of bedload sediment may be mobilized the first winter from cut trees in yarding corridors but sediment is not deliverable to coho habitat	No Effect

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15e	1.0	No	Yes	No	No	No	No	No	No	No Effect
15f	1.50	No	Yes	No	No	No	Yes intermittent channels/ (1.50)	Yes	No	No Effect
15g	1.0	No	No	No	No	No	No	Yes	Yes A small amount of bedload sediment may be mobilized the first winter from cut trees in channel but sediment is not deliverable to coho habitat.	No Effect
15h	1.30	No	Yes	No	Yes/Yes Resident Cutts, 1.7 mi above coho	Yes	Yes Resident Cutts, 1.7 mi above coho	No	No	No Effect
16	1.30	No	No	No	No	No	No	No	No	No Effect
17	0.52	No	No	No	No	No	No	No	No	No Effect
18	40 feet	No	No	No	No	No	Yes/400feet	Yes	Yes A small amount of bedload sediment may be mobilized the first winter from cut trees in yarding corridors and channel maint, but sediment is not deliverable to coho habitat	No Effect
20	0.30	No	No	No	No	No	Yes/0.65	Yes	No	No Effect
21	150 feet	No	Yes	No	No	No	No	Yes	No	No Effect
22b	1.10	No	No	No	No	No	No	No	No	No Effect
22c	1.77 - coho 0.68 - stlhd	No	No	No	No	No	Yes/2.0	Yes	No	No Effect

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23	1.52 - coho 0.51 -stlhd	No	No	No	No	No	No	No	No	No Effect
24	150 feet	No	No	No	No	No	No	Yes	No	No Effect
25	750 feet	No	Yes	No	No	No	No	No	No	No Effect
26	150 feet	No	No	Yes - 2 pvt bridges	No	Yes - ridgetop, Helicopter	Yes	No		No Effect
27	400 feet	No	No	Yes - 2 pvt bridges	No	Yes - ridgetop, Helicopter	Yes/500 feet	Yes	Yes A small amount of bedload sediment may be mobilized the first winter from cut trees in yarding corridors and channel maint, but sediment is not deliverable to coho habitat	No Effect